

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Tuesday, April 21, 2015 2:04:45 PM

Page 1

Work Order ID: 131790

131790

Parent Item: D2199-23

D2199-23

Parent Item Name: Strut

Start Date: 4/20/15

Required Date: 4/20/15

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP: D02.06.10Rem polish & add finishNG/CC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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M304TR0.750W.049

Purchased

No

f

175.8280

4.631579

M304TR0 750W 049

**DAS
28
9-89**

MAY 05 2015

304 RD Tube .750 x .049W

Location

Loc Qty

Loc Code

GA002

175.828

M128084

4

M129363

8.3

M130292

17

M131717

146.528

4.64

DQA: _____ Date: _____

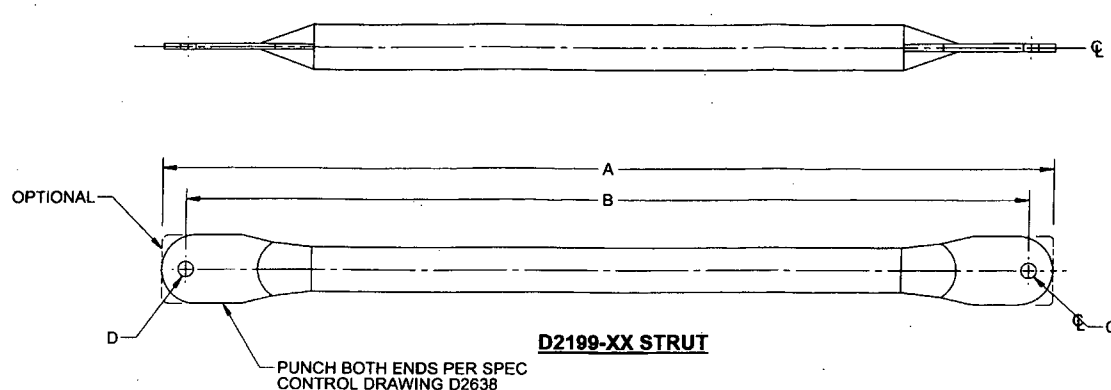


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		OTHER :			



PART NUMBER	A	B	C	D	WEIGHT (LBS)	FINISH
D2199-1	18.30	17.50	Ø0.257	Ø0.257	0.56	NOTE 2
D2199-3	5.80	5.00	Ø0.257	Ø0.257	0.17	NOTE 2
D2199-5	22.64	21.84	Ø0.257	Ø0.316	0.69	NOTE 2
D2199-7	14.74	13.94	Ø0.257	Ø0.257	0.45	NOTE 2
D2199-9	16.52	15.72	Ø0.257	Ø0.257	0.50	NOTE 2
D2199-11	23.60	22.80	Ø0.257	Ø0.316	0.72	NOTE 2
D2199-13	15.96	15.16	Ø0.257	Ø0.257	0.49	NOTE 2
D2199-15	17.57	16.77	Ø0.257	Ø0.257	0.54	NOTE 2
D2199-17	28.05	27.25	Ø0.257	Ø0.316	0.86	NOTE 2
D2199-19	18.90	18.10	Ø0.257	Ø0.257	0.58	NOTE 2
D2199-21	10.80	10.00	Ø0.257	Ø0.257	0.33	NOTE 2
D2199-23	26.18	25.38	Ø0.257	Ø0.316	0.81	NOTE 2
D2199-25	19.93	19.13	Ø0.257	Ø0.257	0.61	NOTE 2
D2199-27	27.34	26.54	Ø0.257	Ø0.316	0.84	NOTE 2
D2199-29	21.11	20.31	Ø0.257	Ø0.257	0.65	NOTE 2
D2199-31	15.55	14.75	Ø0.257	Ø0.257	0.45	NOTE 3

NOTES:

- MATERIAL: AISI 304/316 STAINLESS STEEL ROUND TUBING Ø0.750 X 0.049 WALL PER ASTM A213 OR ASME SA213 OR ASTM A269 REF DART SPEC. M304TR0.750W0.049
- FINISH: POWDER COAT "WHITE" (4.3.5.2) PER DART QSI 005 4.3
- FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- IDENTIFICATION: IDENTIFY WITH DART P/N "D2199-XX" AND B/N BXXXXXX PER QSI 044, 6.5.
- WEIGHT: PER CHART
- MAKE PER TEMPLATE DT2199-XX WHERE XX IS THE RESPECTIVE DASH NUMBER.

C215/04/22
W/O: 131790

RELEASED

2015 FEB 04

ECN 15-522 915-522

F	INCORPORATED E1, REFORMATTED AND REDRAWN. ADDED -31, ADDED GREY SANDTEX FINISH.	AJS	14.09.26
E	ADDED -23 AND -25 PER TSR AS65M. ADDED TEMPLATE & SPEC CTRL. DWG REDRAWN IN CAD	KE	98.04.28
D	ADDED -21	N/A	N/A
C	ADDED -17 AND -19	N/A	N/A
B	ADDED -11, -13 AND -15	N/A	N/A
A	NEW ISSUE	JB	1993
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	DD	D2199	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	STRUT DETAILS	NTS
DATE	14.09.26	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

APPROVED

